Contents

Bonnor, W. B.: The Gravitational Field of Light 163

Cattaneo, U.: Irreducible Lie Algebra Extensions of the Poincaré Algebra. I. Extensions with Abelian Kernels 226

Doplicher, S., R. Haag, and J. E. Roberts: Fields, Observables and Gauge Transformations I 1

Edwards, C. M., and J. T. Lewis: Twistet Group Algebras I 119

— — Twisted Group Algebras II 131

Epstein, H., V. Glaser, and A. Martin: Polynomial Behaviour of Scattering Amplitudes at Fixed Momentum Transfer in Theories with Local Observables 257

García, P. L., and A. Pérez-Rendón: Symplectic Approach to the Theory of Quantized Fields. I 24

Geroch, R.: Limits of Spacetimes 180

Glaser, V., s. H. Epstein *et al.* 257

Greenberg, W.: Critical Temperature Bounds of Quantum Lattice Gases . 335

Haag, R., s. S. Doplicher *et al.* 1

Havlíček, M.: Representations of an Algebra of the Gell-Mann-Dashen Type 73

Jadczyk, A. Z.: On some Groups of Automorphisms of von Neumann Algebras with Cyclic and Separating Vector 142

Kupczyński, M.: On the Generalized Saletan Contractions 154

Landau, L. J.: A Note on Extended Locality 246

Lanford III, O. E., and D. Ruelle: Observables at Infinity and States with Short Range Correlations in Statistical Mechanics 194

Lewis, J. T., s. C. M. Edwards 119, 131

Martin, A., s. H. Epstein *et al.* 257

Nachtmann, O., H. Schmidle, and R. U. Sexl: On the Most General Linear Theory of Gravitation 254

Nagle, J. F.: Proof of the First Order Phase Transition in the Slater KDP Model 62

Parrott, S.: Uniqueness of the Hamiltonian in Quantum Field Theories . . 68

Pérez-Rendón, A., s. P. L. García 24

Roberts, J. E., s. S. Doplicher *et al.* 1

Rocca, F., M. Sirugue, and D. Testard: On a Class of Equilibrium States under the Kubo-Martin-Schwinger Boundary Condition. I. Fermions . . 317

Ruelle, D., s. O. E. Lanford III 194

Schlieder, S: Einige Bemerkungen über Projektionsoperatoren 216

Schmidle, H., s. O. Nachtmann *et al.* 254

Sexl, R. U., s. O. Nachtmann *et al.* 254
Sirugue, M., s. F. Rocca *et al.* 317
Slawny, J.: A Converse to a Theorem by Friedrichs 175
Talbot, C. J.: Newman-Penrose Approach to Twisting Degenerate Metrics . 45
Testard, D., s. F. Rocca *et al.* 317
Vassilev, A. N.: La structure algébrique de la représentation et le problème de la symétrie pour une classe de fonctionelles de Wightman 81
— Sur la construction asymptotique et l'interprétation physique d'une théorie avec dégénérescence du vide 102

Indexed in Current Contents

. 254
. 317
. 175
. 45
. 317
ne
. 81
ne
. 102